

Flu Watch

MMWR Week 28: July 7 to July 13, 2019

All data are provisional and subject to change as more reports are received.

Geographic Spread



South Carolina reported **sporadic activity** this week.

Influenza Activity



Overall, there was no change in influenza activity this week.

Regional Influenza Activity



No change



No change



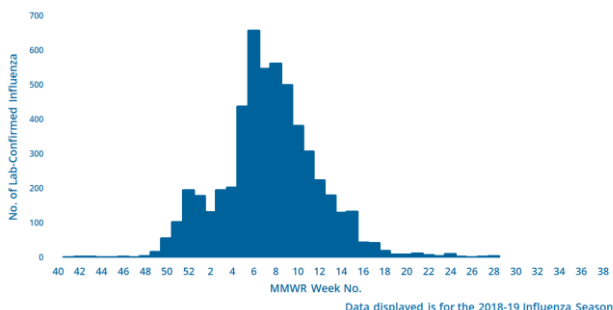
Increased



Decreased

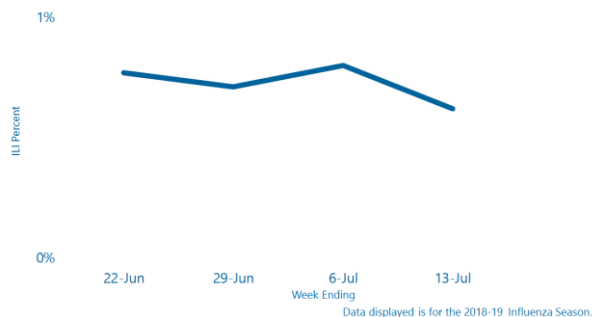
Virologic Surveillance

This week 4 lab-confirmed tests were reported. In the current flu season, there have been **4726** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **0.62%**, which is **below** South Carolina's baseline (**3.53%**). The ILI activity level overall was minimal.



Influenza-Associated Hospitalizations

This week **2** influenza-associated hospitalizations were reported by **30** hospitals. The cumulative hospitalization rate is **54.4 per 100,000**. In the current flu season, there have been **2734** influenza-associated hospitalizations.

Influenza-Associated Deaths

This week **0** influenza-associated deaths were reported. The cumulative mortality rate is **2.0 per 100,000**. In the current flu season, there have been **98** influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

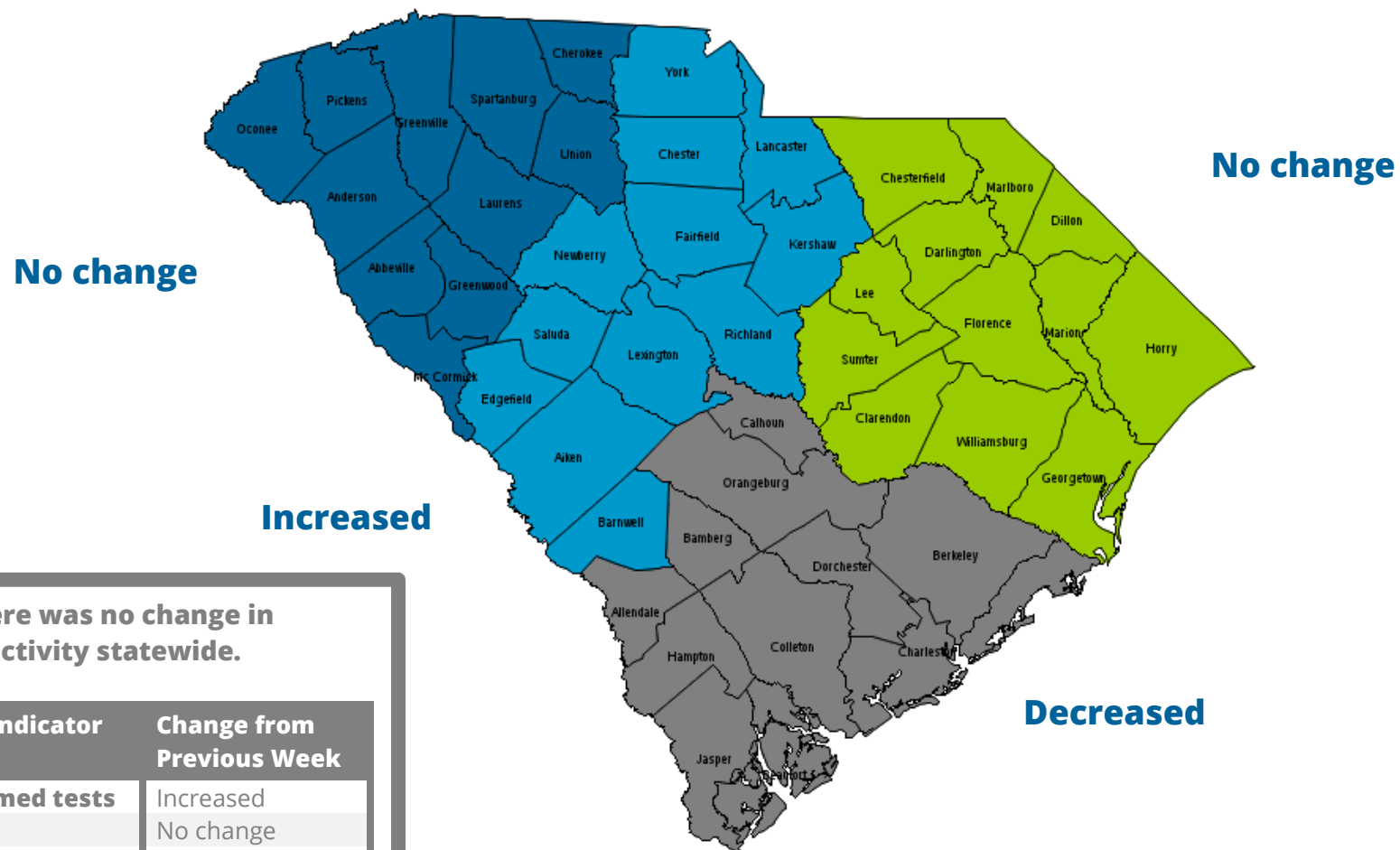
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

Influenza Activity*

In the 4 Public Health Regions, activity showed...



Overall there was no change in influenza activity statewide.

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	Increased
ILI Percent	No change
Hospitalizations	Decreased

*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

Virologic Surveillance

Influenza Type	Season Totals To Date				
	No. (%)	This Week	2018-19	2017-18	2016-17
Overall		4	4726	#	#
Influenza A		2(50.0)	4571(96.7)		
A(H3)	--	--	604(13.2)		
A(H1N1)	--	--	462(10.1)		
A(NS)*	3(100.0)		3505(76.)		
Influenza B		2(50.0)	155(3.3)		
B (Victoria)	--	--	2(1.3)		
B (Yamagata)	--	--	--		
B (LND)*	2(100.0)		153(98.7)		

*NS – not subtyped *LND – lineage not determined

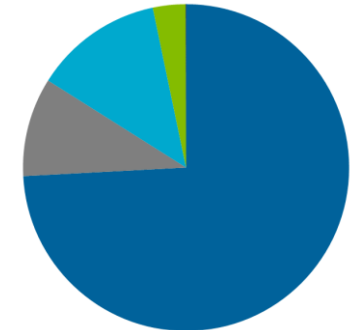
#Data currently unavailable

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

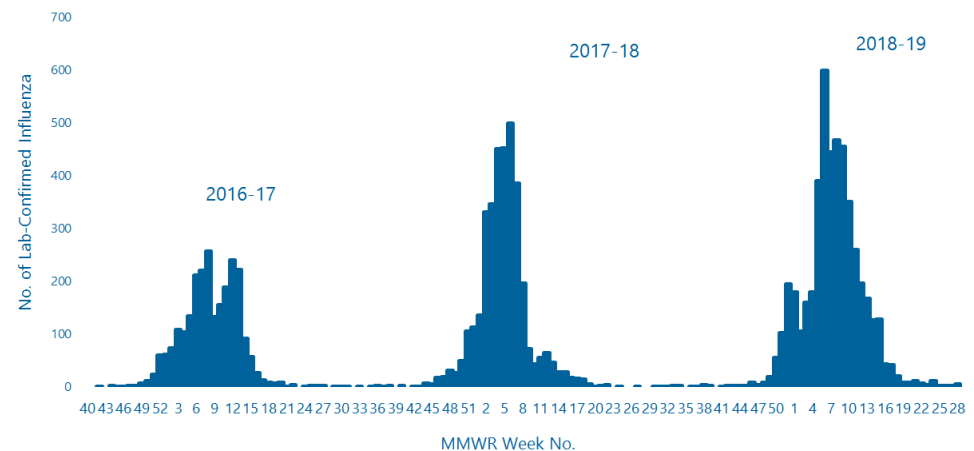
Week ending 7/13



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



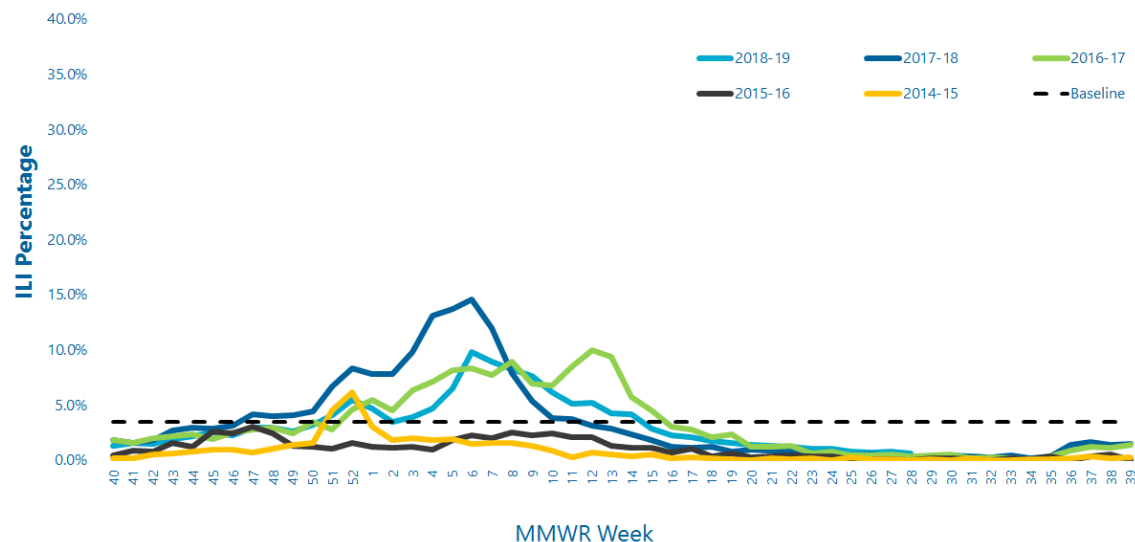
Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and **0.62%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.53%.**

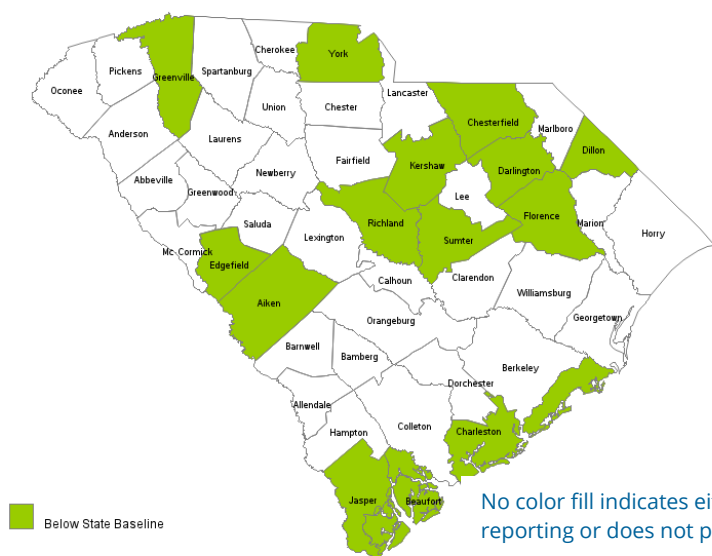
Reports were received from providers in 14 counties, representing all DHEC Public Health regions.

ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

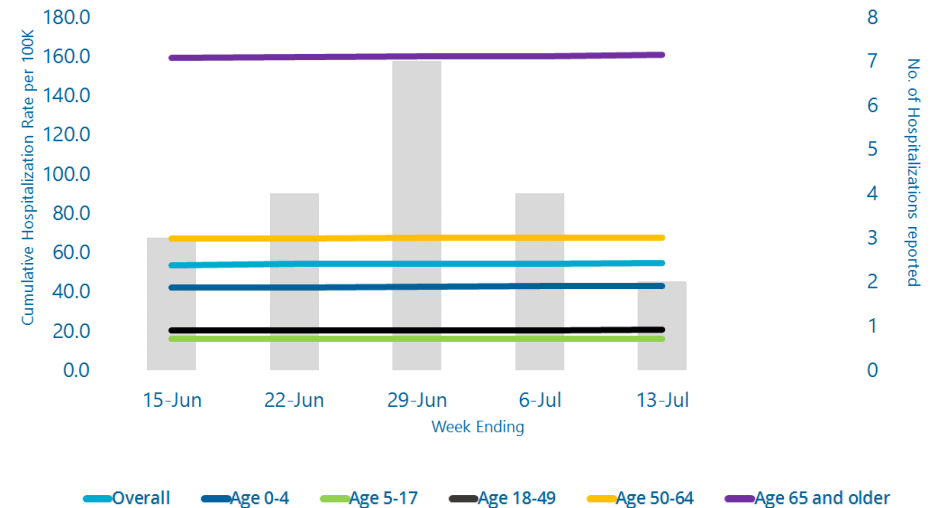
OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

ILI ACTIVITY LEVELS: **MINIMAL** **LOW** **MODERATE** **HIGH**

Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	2(0.04)	--	--	1(0.05)	--	1(0.1)
2018-19	2734(54.4)	126(42.9)	127(15.7)	420(20.4)	673(67.4)	1388(16)
2017-18	4507(89.7)	159(54.1)	141(17.4)	585(28.4)	1055(105.7)	2567(29)
2016-17	2516(50.7)	116(39.7)	133(16.5)	339(16.6)	563(56.8)	1365(16)
Season Average	2730(55.5)	159(54.5)	120(14.9)	442(21.8)	640(65.3)	1368(16)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	--	--	--	--	--	--
2018-19	98(2.0)	2(0.7)	1(0.1)	7(0.4)	26(2.4)	62(7.3)
2017-18	291(5.8)	3(1.0)	--	27(1.3)	52(5.2)	209(24.2)
2016-17	96(1.9)	1(0.3)	1(0.1)	9(0.4)	16(1.6)	69(8.3)
Season Average	129(2.6)	1(0.3)	1	15(0.7)	24(2.4)	89(10.8)



Influenza-Associated Deaths by Region

